

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 06-172741

(43)Date of publication of application : 21.06.1994

(51)Int.Cl.

C09K 3/00

(21)Application number : 04-329200

(71)Applicant : KOOPU CHEM KK

(22)Date of filing : 09.12.1992

(72)Inventor : ANDO SEINOSUKE

SEKIMOTO TAKAHIRO

KONDO TOSHIO

FUJISAKI TOSHIKAZU

HONMA KO

(54) CLAY-ORGANIC COMPOSITE COMPOSITION AND ITS USE

(57)Abstract:

PURPOSE: To obtain a compsn. which is a thixotropic sol or gel by dispersing a specific clay-organic composite in a mixture of a highly polar org. solvent with water.

CONSTITUTION: This clay-org. composite is obtd. by introducing a quaternary ammonium ion of formula I [wherein R1 is H or 1-30C alkyl; R2 and R3 are each (CH2CH2O)nH or 1-30C alkyl; R4 is (CH2CH2O)nH; and n>=2] or formula II (wherein R5 is 1-4C alkyl; and R6, R7, and R8 are each 6-14C alkyl) between the layers of

a swellable layered silicate. The composite is dispersed in a mixture of a highly polar org. solvent with water, giving the objective composite compsn. which is a thixotropic, highly viscous sol or gel. The compsn. has improved dispersibility and viscosity even in a solvent

having a wide range of water content and is excellent in stability and properties in the use. A gel obtd. by changing the type and amt. of the solvent is usable in many applications, e.g. in cosmetics, a remover for make-up cosmetics, a release agent for coating film, and an adhesive.

